

Bar Chart for Improvement to Roads and Drains and Other Developmental Works At 407,707,208 Sfs, Major Akshay Girish Kumar Road Yelahanka 4th And 5th Phase And Surrounding Areas In Ward No.01,03 And 04 Of Yelahanka Division Under Amruthnagarothana Grants (Package-04)

Second and Part Bill

Sl.No	Description of work	% Completed	Progress Chart				
			20%	40%	60%	80%	100%
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement	100					
2	Removing and resetting of footpath slab (Approved Rate)	100					
3	Dismantling kerb stone by manual means and disposal of dismantled material with all lifts and lead (V-3,P.No.10, I.No.2.21 of PWD S.R	0					
4	Removing and resetting of kerb stones(Approved Rate)	100					
5	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting	100					
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not	100					

Sl.No	Description of work	% Completed	Progress Chart				
			20%	40%	60%	80%	100%
7	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 2.50m height.	100					
8	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical	100					
9	Providing and fixing precast reinforced cement concrete covering slabs of 10cm thick made of M20 with OPC cement, with 20mm and down size graded	100					
10	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form	0					
	Qty up to 125%	100					
	Qty above 125%	100					
11	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM	100					
12	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces (V-III No-8.10,P	100					

Sl.No	Description of work	% Completed	Progress Chart				
			20%	40%	60%	80%	100%
13	Construction of Median and Island above road level with approved material deposited at site from roadway cutting and excavation for drain and foundation of other	100					
14	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of	100					
15	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all	100					
16	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical	99					
17	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road	100					
18	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor						
	Qty up to 125%	100					
	Qty above 125%	100					
19	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading,	100					

Sl.No	Description of work	% Completed	Progress Chart				
			20%	40%	60%	80%	100%
20	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder						
	Qty up to 125%	100					
	Qty above 125%	100					
21	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per						
	Qty up to 125%	100					
	Qty above 125%	100					
22	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine	96					
23	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates	97					
24	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (V-III Page No.3, Item No.1.4 A of PWD SR 2021-22)	100					

Sl.No	Description of work	% Completed	Progress Chart				
			20%	40%	60%	80%	100%
25	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material to the appropriate disposal area as per direction of Engineer-in-charge	100					
26	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal	100					
27	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the	100					
28	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting	100					
29	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting	100					
30	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls,	100					

Sl.No	Description of work	% Completed	Progress Chart				
			20%	40%	60%	80%	100%
31	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine	100					
32	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine	100					
33	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)						
	Qty up to 125%	100					
	Qty above 125%	100					
34	Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost						
	Qty up to 125%	100					
	Qty above 125%	100					
35	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth,	100					
36	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete.	100					

Sl.No	Description of work	% Completed	Progress Chart				
			20%	40%	60%	80%	100%
37	Removal of Unserviceable Soil with Disposal upto a suitable distance as directed by the Engineer incharge of work	100					
38	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & ...	100					
39	Providing and laying in position Reinforced cement concrete for all Super structures of building, Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The	100					
40	Terrace Column						
	Qty up to 125%	100					
	Qty above 125%	100					
41	Ground Floor oof Beams						
	Qty up to 125%	100					
	Qty above 125%	100					
42	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine						
43	Terrace						
	Qty up to 125%	100					

Sl.No	Description of work	% Completed	Progress Chart				
			20%	40%	60%	80%	100%
	Qty above 125%	100					
44	Providing Thermo-Mechanically Treated bars of grade Fe-500 or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and	100					
45	Terrace	0					
46	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m ³ and minimum compressive strength of 4.00 N/mm ² conforming to IS 2185						
	Qty up to 125%	100					
	Qty above 125%	100					
47	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m ³ and minimum compressive strength of 4.00 N/mm ² conforming to IS 2185	0					
48	Terrace	100					
49	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of	100					

Sl.No	Description of work	% Completed	Progress Chart				
			20%	40%	60%	80%	100%
50	Terrace	0					
	Qty up to 125%	100					
	Qty above 125%	100					
51	Providing 15 mm cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick/stone masonry including rounding off corners wherever required smooth rendering,	100					
52	Providing 12 mm cement plaster finished with a floating coat of neat cement of mix :1:3 (1 cement: 3 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing	100					

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